

AMENDMENT

IN THE CLAIMS:

Please amend the claims as follows:

Sub B1
A1
1. (Amended) An antenna structure adapted to be used in an ablation device, comprising:
a monopole antenna operably disposed at a distal end of the ablation device and having a predetermined shape defining an outer emission surface from which electromagnetic energy is emitted, the monopole antenna forming the distal tip of the ablation device,
wherein the predetermined shape of the monopole antenna results in the creation of a relatively uniform electromagnetic field pattern.

Sub B1
A2
4. (Amended) The antenna structure of claim 3, wherein the biocompatible material is TEFLON.

Sub B1
A3
6. (Amended) An ablation device for ablating biological tissue, comprising:
an elongated flexible tubular member adapted to be inserted into a patient's body and having a distal end;
a transmitting means operably attached to the tubular member for transmitting ablation energy therethrough;
a monopole antenna attached to the distal end of the tubular member and having a predetermined shape defining an outer emission surface from which electromagnetic energy is emitted, the monopole antenna forming the distal tip of the ablation device and operably attached to the transmitting means,
wherein the predetermined shape of the monopole antenna results in the creation of a relatively uniform electromagnetic field pattern.

Please add the following claims:

Sub B1
A4
11. (New) The ablation device of claim 10, wherein the a first of the at least one electrode is a ring electrode.